

STATE OREGON  
DATE REGISTERED 11-22-04  
SPECIFIC SPECIAL LOCAL NEED \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SLN NO OR 040039  
90-DAY DATE: 02-22-05 ~~XX~~  
SITE: \_\_\_\_\_  
PEST/PROBLEM: \_\_\_\_\_  
\_\_\_\_\_

1. Is the State certified to issue this type of registration? \_\_\_\_\_
2. Was the EPA Application/Notification Form submitted? \_\_\_\_\_
3. Was all the required information included on the form? \_\_\_\_\_
4. Was a confidential formula submitted (for new products)? \_\_\_\_\_
5. Is this registration for a "CHANGED USE PATTERN"? \_\_\_\_\_
6. Has an FR document been prepared for this "CHANGED USE PATTERN"? \_\_\_\_\_
7. Tolerances required? \_\_\_\_\_ Established? \_\_\_\_\_ Citation: \_\_\_\_\_
8. Full labeling being used? \_\_\_\_\_ Supplemental directions? \_\_\_\_\_
9. Does label state "FOR DISTRIBUTION AND USE ONLY WITHIN (State)"? \_\_\_\_\_
10. Does full label comply with 40 CFR 162.10, as follows:

- a. Product name, brand or trademark? \_\_\_\_\_
- b. Name and address of registrant? \_\_\_\_\_
- c. Net contents? \_\_\_\_\_
- d. Product registration number? \_\_\_\_\_
- e. Producing establishment number? \_\_\_\_\_
- f. Ingredient statement? \_\_\_\_\_
- g. Precautionary labeling? \_\_\_\_\_
- h. Directions for use for special local need? \_\_\_\_\_
- i. Use classification? \_\_\_\_\_

Was proper format followed? \_\_\_\_\_

11. Is supplemental directions for use labeling satisfactory? \_\_\_\_\_
12. Was supplemental labeling compared with EPA-registered label? \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1 SLN No OK 04 39 2 PM 13 3 Action Code \_\_\_\_\_

4 State Issue Date

1	1	1	2	0	4
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5 Date received by EPA

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6 Date received by PM

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7 Chemical name \_\_\_\_\_

8 Chemical code 4

9 Use \_\_\_\_\_

10. Reviews requested:

	Date Sent	Due Date	Date Returned	Response Code	Response Date
HED					
EFD					
RCB					
EED					
TB					
RD					
PM					
S					
Precaut. Labeling					
Chemistry					
Efficacy					

11. Status \_\_\_\_\_

12. FINAL ACTION Response code \_\_\_\_\_

Response date

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
HUMAN SUBSTANCE

FEB 16 2006

Rose Kachadoorian  
Registration Specialist, Pesticides Division  
Oregon Department of Agriculture  
635 Capitol Street NE  
Salem, OR 97301-2532


Subject: Special Local Need Registration (Lygus and thrip control in alfalfa and  
clover grown for seed)  
Discipline 2EC  
EPA Registration No. 5481-517  
EPA SLN No. OR-040039  
Your Submission Dated November 12, 2004

Dear Ms. Kachadoorian:

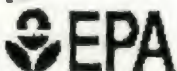
This will acknowledge receipt of your notification dated November 12, 2004 to  
this Agency of amended registration, pursuant to section 24(c) of the Federal Insecticide,  
Fungicide and Rodenticide Act (FIFRA), as follows:

Product:	Discipline 2EC
EPA Registration No.:	5481-517
EPA SLN No.:	OR040039
24(c) Registrant:	AMVAC Chemical Corporation 4695 MacArthur Court, Suite 1250 Newport Beach, CA 92660

If you have any questions, please call BeWanda Alexander of my team at (703)  
305-7460.

Sincerely,  
  
George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)





United States Environmental Protection Agency  
Office of Pesticide Programs, Registration Division (7505C)  
Washington, DC 20460

**Application for Notification of State Registration of a  
Pesticide To Meet a Special Local Need**  
(Pursuant to section 24(c) of the Federal Insecticide, Fungicide, and  
Rodenticide Act, as Amended)

For State Use Only

Registration No. Assigned

OR-040039

Date Registration Issued

NOVEMBER 12, 2004

1. Name and Address of Applicant for Registration

AMVAC Chemical Corporation  
4695 MacArthur Court  
Suite 1250  
Newport Beach, CA 92660

2. Product is (Check one)

EPA-Registered



EPA Registration Number  
5481-517

New (not EPA-registered)



Attach EPA Form 8570-4, Confidential Statement of  
Formula for new products

EPA Company Number  
5481

2. Active Ingredient(s) in Product

Bifenthrin

4. Product Name

Discipline™ 2EC

5. If this is a food/feed use, a tolerance or other residue clearance is required. Cite  
appropriate regulations in 40 CFR Part 180, 185, and/or 186.

Nonfood/Feed Use

6. Type of Registration (Give details in Item 13 or on a separate page, properly  
identified and attached to this form):

☐ a. To permit use of a new product.

☒ b. To amend EPA registrations for one or more of the following purposes:

☒ (1) To permit use on additional crops or animals.

☐ (2) To permit use at additional sites.

☐ (3) To permit use against additional pests.

☐ (4) To permit use of additional application techniques or equipment.

☐ (5) To permit use at different application rates.

☐ (6) Other (specify below)

7. Nature of Special Local Need (check one)

☐ There is no pesticide product registered by EPA for such use.

☒ There is no EPA-registered pesticide product which, under the conditions of use  
within the State, would be as safe and/or as efficacious for such use within the  
terms and conditions of EPA registration.

☐ An appropriate EPA-registered pesticide product is not available.

8. If this registration is an amendment to an EPA-registered product, is it for a  
"new use"

☒ Yes (discuss in Item 13 below)

☐ No

9. Has an EPA Registration or Experimental Use Permit for this chemical ever been  
(check applicable box(es), if known):

☐ Sought

☒ Issued

☐ Denied

☐ Cancelled

☐ Suspended

☒ Registration

☐ Experimental Use Permit

☐ No Previous Permit Action

11. Endangered Species Act: (Give details in Item 13 or on a separate page, properly  
identified and attached to this form) See Attached

Identify the counties where this pesticide will be used. If Statewide, indicate "all."  
Provide a list of Federally protected endangered/threatened species which occur in the  
areas of proposed use. ALL

12. Indicate use status of Special Local Need, i.e., planned dates of use:

From: May 24, 2004

To: May 24, 2009

**Certification**

I certify that the statements I have made on this form and all attachments thereto  
are true, accurate, and complete. I acknowledge that any knowingly false or  
misleading statement may be punishable by fine or imprisonment or both under  
applicable law.

Signature of Applicant or Authorized Representative

Brunda K. Balaz

Title

Regulatory Specialist

Telephone Number

949-260-1212

13. Comments (attach additional sheet, if needed)

ALL See Attached List.

**Determination by State Agency**

This registration is for a Special Local Need and is being issued in accordance with section 24(c) of FIFRA, as amended. To the best of our  
knowledge, the information above is correct, except as noted in "Comments" below or in attachments.

Name, Title, and Address of State Agency Official

Roseann Kachadoorian

Comments (by State Agency only)

Title Registration Specialist, Oregon Dept. of Agriculture  
635 Capitol St NE, Salem OR 97301

Telephone Number

(503) 986-4651

Date

11/12/04

Received by EPA

## Oregon - 54 listings

### Animals - 36

Status	Listing
E	Albatross, short-tailed ( <i>Phoebastria</i> (= <i>Diomedea</i> ) <i>albatrus</i> )
E	Butterfly, Fender's blue ( <i>Icaricia icaroides fenderi</i> )
T	Butterfly, Oregon silverspot ( <i>Speyeria zerene hippolyta</i> )
E	Chub, Borax Lake ( <i>Gila boraxobius</i> )
T	Chub, Hutton tui (Hutton) ( <i>Gila bicolor</i> ssp.)
E	Chub, Oregon ( <i>Oregonichthys crameri</i> )
T	Dace, Fosslett speckled (Fosslett) ( <i>Rhinichthys osculus</i> ssp.)
E	Deer, Columbia white-tailed Columbia River DPS ( <i>Odocoileus virginianus leucurus</i> )
T	Eagle, bald (lower 48 States) ( <i>Haliaeetus leucocephalus</i> )
T	Fairy shrimp, vernal pool ( <i>Branchinecta lynchi</i> )
T	Murrelet, marbled (CA, OR, WA) ( <i>Brachyramphus marmoratus marmoratus</i> )
T	Owl, northern spotted ( <i>Strix occidentalis caurina</i> )
E	Pelican, brown (except U.S. Atlantic coast, FL, AL) ( <i>Pelecanus occidentalis</i> )
T	Plover, western snowy (Pacific coastal pop.) ( <i>Charadrius alexandrinus nivosus</i> )
T	Salmon, chinook (fall Snake R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>tshawytscha</i> )
T	Salmon, chinook (spring/summer Snake R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>tshawytscha</i> )
T	Salmon, chinook (lower Columbia R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>tshawytscha</i> )
T	Salmon, chinook (upper Willamette R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>tshawytscha</i> )
T	Salmon, chum (Columbia R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>keta</i> )
T	Salmon, coho (OR, CA pop.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>kisutch</i> )
E	Salmon, sockeye U.S.A. (Snake River, ID stock wherever found.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>nerka</i> )
T	Sea turtle, green (except where endangered) ( <i>Chelonia mydas</i> )
E	Sea turtle, leatherback ( <i>Dermochelys coriacea</i> )
T	Sea turtle, loggerhead ( <i>Caretta caretta</i> )
T	Sea-lion, Steller (eastern pop.) ( <i>Eumetopias jubatus</i> )
T	Steelhead (Snake R. Basin) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>mykiss</i> )
T	Steelhead (lower Columbia R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>mykiss</i> )
T	Steelhead (middle Columbia R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>mykiss</i> )
T	Steelhead (upper Willamette R.) ( <i>Oncorhynchus</i> (= <i>Salmo</i> ) <i>mykiss</i> )
E	Sucker, Lost River ( <i>Deltistes luxatus</i> )
E	Sucker, shortnose ( <i>Chasmistes brevirostris</i> )
T	Sucker, Warner ( <i>Catostomus warnerensis</i> )
T	Trout, bull (U.S.A., conterminous, lower 48 states) ( <i>Salvelinus confluentus</i> )
T	Trout, Lahontan cutthroat ( <i>Oncorhynchus clarki henshawi</i> )
E	Whale, humpback ( <i>Megaptera novaeangliae</i> )
T	Wolf, gray Western Distinct Population Segment ( <i>Canis lupus</i> )

### Plants - 18

Status	Listing
E	Rock-cress, McDonald's ( <i>Arabis mcdonaldiana</i> )
E	Sandwort, Marsh ( <i>Arenaria paludicola</i> )
E	Milk-vetch, Applegate's ( <i>Astragalus applegatei</i> )
T	Paintbrush, golden ( <i>Castilleja levisecta</i> )
E	Daisy, Willamette ( <i>Erigeron decumbens</i> var. <i>decumbens</i> )
E	Fritillary, Gentner's ( <i>Fritillaria gentneri</i> )
T	Howellia, water ( <i>Howellia aquatilis</i> )
E	Lily, Western ( <i>Lilium occidentale</i> )
E	Meadowfoam, large-flowered wooly ( <i>Limnanthes floccosa grandiflora</i> )
E	Desert-parsley, Bradshaw's ( <i>Lomatium bradshawii</i> )
E	Lomatium, Cook's ( <i>Lomatium cookii</i> )
T	Lupine, Kincaid's ( <i>Lupinus sulphureus</i> (= <i>oreganus</i> ) ssp. <i>kincaidii</i> (= var. <i>kincaidii</i> ))
T	Four-o'clock, MacFarlane's ( <i>Mirabilis macfarlanei</i> )
E	Popcornflower, rough ( <i>Plagiobothrys hirtus</i> )
T	Checker-mallow, Nelson's ( <i>Sidalcea nelsoniana</i> )
T	Catchfly, Spelding's ( <i>Silene spaldingii</i> )
E	Vire-lettuce, Malheur ( <i>Stephanomeria malheurensis</i> )
T	Thelypody, Howell's spectacular ( <i>Thelypodium howellii spectabilis</i> )



# **AMVAC<sup>®</sup>** **AGRICULTURAL** **BULLETIN**

## **DISCIPLINE<sup>™</sup> 2EC**

**FOR CONTROL OF LYGUS AND THRIPS IN  
ALFALFA AND/OR CLOVER GROWN FOR SEED**

### **RESTRICTED USE PESTICIDE**

#### **Toxic to Fish and Aquatic Organisms**

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification

### **SUPPLEMENTAL LABELING**

#### **FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF OREGON**

This label valid until December 31, 2009 or until otherwise amended, withdrawn, cancelled or suspended.

## **DISCIPLINE<sup>™</sup> 2EC**

**EPA REG. NO. 5481-517**

**EPA SLN NO. OR-040039**

#### **ACTIVE INGREDIENT:**

Bifenthrin\* ..... 25.1%

INERT INGREDIENTS\*\* ..... 74.9%

TOTAL ..... 100.0%

This product contains 2 pounds Active Ingredient per gallon

\*Cis isomers 97% minimum, trans isomers 3% minimum

\*\*Contains xylene range aromatic solvents

### **KEEP OUT OF REACH OF CHILDREN** **WARNING**

Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on this supplemental label and the main EPA registered label.

This labeling and the main label must be in the possession of the user at the time of pesticide application.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.



Discipline 2EC should not be used under this SLN label where impact on listed threatened or endangered species is likely. You may refer to the Oregon Department of Agriculture web site, <http://oda.state.or.us/pesticide/lawsregs/buffers.html> or contact the Oregon Department of Fish & Wildlife, National Marine Fisheries Service (NOAA Fisheries) or U.S. Fish & Wildlife Service for information regarding aquatic species listed as threatened or endangered. Consult the federal label for additional restrictions and precautions to protect aquatic organisms.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls,
- Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, and
- Shoes plus socks.

### ALFALFA AND/OR CLOVER GROWN FOR SEED

PEST	RATE (fl. oz. per acre)	REMARKS
Aphids Lygus Bugs Spider Mites Thrips Weevils	<u>Pre-Bloom or Post-Bloom:</u> 3.9 to 6.4 fl. oz. (0.06 to 0.1 lb. a.i.)	Apply in a minimum of 20 gallons if sprayed by ground equipment or in a minimum of 5 gallons if sprayed by air. DO NOT apply more than 6.4 fl. oz. (0.1 lb a.i.) per acre per treatment. Do not make more than 3 applications in a crop year. Maintain a minimum of 21 days between Discipline 2EC treatments.
	<u>Bloom:</u> 2 fl. oz. (0.03 lb. a.i.)*	

\* Application must be timed to coincide with periods of minimum bee activity, between late evening and midnight. Note: The information provided on the use of the 2 fl. oz. per acre rate of this product is in order to minimize the hazard to pollinators. While use of this rate is legal, AMVAC does not recommend this reduced rate, since efficacy may be reduced. Users applying lower rates of Discipline 2EC during bloom must be willing to accept reduced product efficacy in order to protect pollinators. Follow the spray drift precautions and chemigation instructions on the EPA registered label.

### SPECIAL CROP USE RESTRICTIONS:

The pesticide applicator, the producer of the crop, and the seed conditioner must be aware that use of this product according to this labeling is deemed a nonfeed/non-food use by the Oregon Department of Agriculture, and is regulated by Oregon Administrative Rule (OAR) 603-057-0535, Pesticide Use On Crops Grown For Seed. If the applicator of this pesticide is not the producer, the applicator should provide a copy of this labeling to the producer of the crop. Producers of this crop who use this product, or cause the product to be used on a field they operate, should provide a copy of this pesticide label to the seed conditioner.

This pesticide does not have an established pesticide residue tolerance for this crop. Consequently, no portion of this seed crop may be used or distributed for food or feed. This restriction pertains to, but is not limited to, green chop, hay, pellets, meal, whole seed, cracked seed, straw, roots, bulbs, foliage or seed screenings, and to the grazing of the crop field, stubble or regrowth. All seed screenings shall be disposed of in such a manner that the screenings cannot be distributed or used for food or feed purposes, as indicated in OAR 603-057-0535. Additional regulations concerning seed screenings are stated in OAR 603-057-0535.

Any seed from a field treated with this pesticide product shall bear specific and conspicuous container labeling, or if shipped in bulk, on the shipment invoice or bill of lading. The labeling shall contain the following statement:

"This seed was produced using one or more products for which the United States Environmental Protection Agency has not established pesticide residue tolerances. This seed, in whole, as sprouts, or in any form, may not be used for human consumption or animal feed. Failure to comply with this condition may violate requirements of the Federal Food and Drug Administration, the Oregon Department of Agriculture and other regulatory agencies."

**RESTRICTIONS:**

- Do not apply by ground equipment within 25 feet or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes, or natural ponds; estuaries and commercial fish farms ponds. Increase the buffer zone to 450 feet when ultra low volume (ULV) application is made.
- Low humidity and high temperatures increases the evaporation rate of spray droplets and, therefore, the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature. Do not make aerial or ground applications during temperature inversions.
- Do not make aerial or ground applications to alfalfa or clover grown for seed if heavy rainfall is imminent.
- This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or broadleaf weeds. Do not apply the 3.9 to 6.04 oz. per acre rate to blooming alfalfa or clover grown for seed. Apply only as a pre-bloom or post-bloom spray only.

**IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Limitation of Warranty and Liability before using this product.**

**24(C) Registrant:**

AMVAC Chemical Corporation  
4100 E. Washington Boulevard  
Los Angeles, CA 90023 U.S.A.  
[www.amvac-chemical.com](http://www.amvac-chemical.com)  
1-323-264-3910





# Oregon

Theodore R. Kulongoski, Governor

## Department of Agriculture

635 Capitol Street NE  
Salem, OR 97301-2532



November 12, 2005

U.S. EPA/Office of Pesticide Programs  
Product Management Team (7505C)  
Document Processing Desk - SLN  
Crystal Mall 2 - - 2nd Floor  
1921 Jefferson Davis Hwy  
Arlington, VA 22202

RE: AMVAC/Discipline™ 2EC (a.i. bifenthrin)  
EPA Reg. No. 5481-517, OR-040039  
Site/purpose - Lygus and thrip control in alfalfa and/or clover grown for seed  
Similar Discipline™ 2EC SLNs : WA-040027 and ID-040009

The Oregon Department of Agriculture (ODA) is pleased to enclose the registration under Section 24(c), to allow for the use of Discipline™ 2EC on alfalfa and/or clover grown for seed to control lygus bugs and thrips, SLN No. OR-040039.

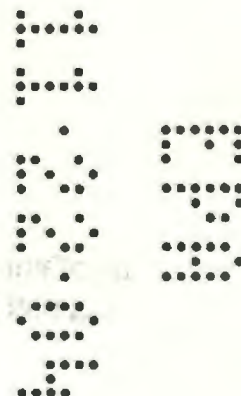
SLN No. OR-040039 is similar to two other Oregon SLNs (one granted in 1990 and the other in 1996). Additional data were provided to support this new SLN. The language on this SLN reflects Oregon's seed rule.

If you have any questions, please do not hesitate to contact me. Thank you.

Sincerely,

Rose Kachadoorian  
Registration Specialist, Pesticides Division  
Oregon Department of Agriculture  
503/986-4651 Phone, 503/986-4735 Fax  
Email Address: rkachado@oda.state.or.us

CC: PICOL  
Jordan Seper, AMVAC State Registration Specialist  
Glenn Fisher, OSU





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

November 22, 2004

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Oregon Dept. of Ag  
635 Capitol St., NE  
Salem, OR 97301

ATTN: Roseann Kachadoorian, Specialist

Dear State Agency:

The Office of Pesticide Programs acknowledges receipt of the Section 24(c) application/notification for OR040039.

The package is being forwarded to the Product Manager for review.

To ensure that the Agency receives proper notification of your 24(c) applications/notifications it is necessary to us the correct mailing address. All new 24(c) applications should be sent to the following:

Document Processing Desk (SLN)  
Office of Pesticide Programs - H7504C  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460

If you have any questions concerning the administrative screening of the package please contact the Front End Unit at (703)305-7406.

Sincerely,

A handwritten signature in black ink, appearing to read "Barbara P. Pineda".

Front End Processing Staff  
Information Services Branch  
Information Resources and Services Division